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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A dermatologic hair-regrowth-inhibiting apparatus that is cordless and sufficiently compact as to be hand-held, comprising:

(a) a self-contained housing configured for gripping by a person's hand for cordless manipulation in a hair-regrowth-inhibiting procedure;

(b) a light source within the housing;

(c) an electrical circuit including one or more batteries within the housing for energizing the light source to produce output light pulses;

(d) a light path within the housing including an aperture through which eye-safe light pulses are propagated out of the housing having properties sufficient for at least temporary hair-regrowth inhibition; and

(e) an optical diffuser disposed along the light path so that an integrated radiance of the output light pulses is reduced to an eye-safe value; wherein the cordless apparatus has a total weight of no more than 1 kilogram, and occupies no more than 1500 cm³ of volume; and whereby in use, the hair-regrowth-inhibiting apparatus produces a fluence on an epidermis of a subject undergoing treatment that is sufficient to at least temporarily inhibit hair regrowth and that has an integrated radiance insufficient to cause eye damage.

2. (Withdrawn) The apparatus of claim 1, further comprising a heatsink for contacting a region of the epidermis, having one or more thermal characteristics that serve to remove heat from the epidermis and wherein the temperature of the heatsink is at or above a normal skin temperature, wherein a normal skin temperature is a temperature of the skin when not being treated with the device.

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3. (Withdrawn) The apparatus of claim 2, wherein the heatsink comprises a sapphire output

window.

4. (Withdrawn) The apparatus of claim 1, further comprising a heatsink for contacting a region

of the epidermis, having one or more thermal characteristics that serve to remove heat from the

epidermis and wherein the temperature of the heatsink is maintained below a normal skin

temperature, wherein a normal skin temperature is a temperature of the skin when not being

treated with the device.

5. (Withdrawn) The apparatus of claim 4, wherein the heatsink comprises a sapphire output

window.

6. (Withdrawn) The apparatus of claim 1, further comprising a contact sensor for permitting

light pulses to be propagated from the housing only when substantial contact is made between

the contact sensor and a contacted surface.

7. (Withdrawn) The apparatus of claim 6, wherein at least one light pulse is automatically

triggered when said substantial contact is made.

8. (Withdrawn) The apparatus of claim 1, wherein a light pulse emitted at the aperture has a

spot size not greater than 5 cm².

9. (Withdrawn) The apparatus of claim 1, wherein a light pulse emitted at the aperture has a

spot size not less than 0.25 cm².

10. (Withdrawn) The apparatus of claim 9, wherein a light pulse emitted at the aperture has a

spot size not greater than 5 cm².

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11. (Withdrawn) The apparatus of claim 1, wherein the light source includes one or more diode

lasers.

12. (Withdrawn) The apparatus of claim 11, wherein the one or more diode lasers includes one

or more laser diode bars each comprising multiple laser diode emitters.

13. (Withdrawn) The apparatus of claim 12, wherein the one or more laser diode bars are

thermally coupled to a fan-cooled heatsink.

14. (Withdrawn) The apparatus of claim 1, wherein the light source is divergent.

15. (Withdrawn) The apparatus of claim 1, wherein the light source comprises one or more

flashlamps.

16. (Withdrawn) The apparatus of claim 1, wherein the light source comprises one or more light

emitting diodes.

17. (Withdrawn) The apparatus of claim 1, wherein the output light pulse has a bandwidth of 2

nanometers or more.

18. (Withdrawn) The apparatus of claim 1, wherein a majority of the energy of a light pulse

emitted by the apparatus is between 700 nm and 1100 nm.

19. (Withdrawn) The apparatus of claim 1, wherein a light pulse emitted by the apparatus has a

duration not more than 1 second.

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20. (Withdrawn) The apparatus of claim 1, wherein a light pulse emitted by the apparatus has a

duration not less than 10 milliseconds.

21. (Withdrawn) The apparatus of claim 20, wherein a light pulse emitted by the apparatus has

a duration not more than 1 second.

22. (Withdrawn) The apparatus of claim 21, wherein a light pulse emitted by the apparatus has

a duration not less than 200 milliseconds.

23. (Withdrawn) The apparatus of claim 22, a light pulse emitted by the apparatus has a

duration not more than 600 milliseconds.

24. (Withdrawn) The apparatus of claim 1, wherein a light pulse emitted by the apparatus has a

peak power not less than 10 watts.

25. (Withdrawn) The apparatus of claim 1, wherein a light pulse emitted by the apparatus has a

peak power not more than 120 watts.

26. (Withdrawn) The apparatus of claim 25, wherein a light pulse emitted by the apparatus has

a peak power not less than 10 watts.

27. (Original) The apparatus of claim 1, wherein a light pulse emitted by the apparatus has an

output fluence of not less than 4 J/cm² and has a fluence of less than a maximum permissible

exposure (MPE) at the eye of a person, such MPE having a value in J/cm² equal to 1.8 x 10⁻³ t^{0.75}

 C_4C_6 , where $C_4 = 1$ for 400 nm to 700 nm light and $C_4 = 10^{0.002(\lambda-700)}$ for infrared wavelengths λ

in nm from 700 nm to 1050 nm and $C_4 = 5$ for 1050 nm to 1100 nm light, and C_6 is a number

between 1 and 66.7 for a diffuse source, and t is the pulse duration in seconds.

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28. (Original) The apparatus of claim 27, wherein a light pulse emitted by the apparatus has a

pulse duration not less than 10 milliseconds.

29. (Original) The apparatus of claim 28, wherein a light pulse emitted by the apparatus has a

pulse duration not more than 1 second.

30. (Original) The apparatus of claim 29, wherein a majority of the energy of a light pulse

emitted by the apparatus is between 700 nm and 1100 nm.

31. (Original) The apparatus of claim 30, wherein a light pulse emitted by the apparatus has a

bandwidth of 40 nm or less.

32. (Original) The apparatus of claim 27, wherein a light pulse emitted by the apparatus has a

peak power not more than 120 watts.

33. (Original) The apparatus of claim 32, wherein a light pulse emitted by the apparatus has a

peak power not less than 10 watts.

34. (Original) The apparatus of claim 27, wherein a light pulse emitted at the aperture has a spot

size not less than 0.25 cm².

35. (Original) The apparatus of claim 34, wherein a light pulse emitted at the aperture has a spot

size not greater than 5 cm².

36. (Withdrawn) The apparatus of claim 1, wherein the electrical circuit comprises a

supercapacitor for energizing the light source.

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37. (Withdrawn) The apparatus of claim 1, wherein the electrical circuit comprises a direct

drive electrical circuit for energizing the light source.

38. (Withdrawn) The apparatus of claim 1, wherein the optical diffuser comprises a reflective

diffuser.

39. (Withdrawn) The apparatus of claim 1, further comprising a mixer along the light path for

distributing light more uniformly at the aperture.

40. (Withdrawn) The apparatus of claim 1, wherein a principal optical axis of light emitted

from the light source striking the diffuser is not parallel to the normal of a surface of the diffuser.

41. (Withdrawn) The apparatus of claim 40, wherein the light source comprises one or more

laser diode bars.

42. (Withdrawn) The apparatus of claim 1, further comprising an audible feedback component.

43. (Original) A dermatologic hair-regrowth-inhibiting apparatus that is cordless and

sufficiently compact as to be hand-held, comprising:

(a) a self-contained housing configured for gripping by a person's hand for cordless

manipulation in a hair-regrowth-inhibiting procedure;

(b) a light source within the housing;

(c) an electrical circuit including one or more batteries within the housing for energizing

the light source to produce output light pulses; and

(d) a light path within the housing including an aperture through which eye-safe light

pulses are propagated out of the housing, wherein

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(1) a light pulse emitted by the apparatus has an output fluence sufficient for at least temporary hair-regrowth inhibition, and has a fluence that is less than a maximum permissible exposure (MPE) at the eye of a person, such MPE having a value in J/cm² equal to $1.8 \times 10^{-3} t^{0.75} C_4 C_6$, where $C_4 = 10^{0.002(\lambda-700)}$ for infrared wavelengths λ in nm from 700 nm to

1050 nm and $C_4 = 5$ for 1050 nm to 1000 nm, and C_6 is a number between 1 and 66.7 for a

diffuse source, and t is the pulse duration in seconds, and

(2) a majority of the energy of the light pulse is contained within a spectral band

of 700 nm to 1100 nm, and

(3) the light pulse has a duration between 10 milliseconds and one second, and

(4) the light pulse emitted by the apparatus has an output fluence between 4 J/cm²

and 100 J/cm², and

whereby in use, the hair-regrowth-inhibiting apparatus produces a fluence on an epidermis of a

subject undergoing treatment that is sufficient to at least temporarily inhibit hair regrowth and

that has an integrated radiance insufficient to cause eye damage.

44. (Original) The apparatus of claim 43, further comprising a heatsink for contacting a region

of the epidermis, having one or more thermal characteristics that serve to remove heat from the

epidermis and wherein the temperature of the heatsink is at or above a normal skin temperature,

wherein a normal skin temperature is a temperature of the skin when not being treated with the

device.

45. (Original) The apparatus of claim 44, wherein the heatsink comprises a sapphire output

window.

46. (Original) The apparatus of claim 43, further comprising a heatsink for contacting a region

of the epidermis, having one or more thermal characteristics that serve to remove heat from the

epidermis and wherein the temperature of the heatsink is maintained below a normal skin

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temperature, wherein a normal skin temperature is a temperature of the skin when not being

treated with the device.

47. (Original) The apparatus of claim 46, wherein the heatsink comprises a sapphire output

window.

48. (Original) The apparatus of claim 43, further comprising a contact sensor for permitting

light pulses to be propagated from the housing only when substantial contact is made between

the contact sensor and a contacted surface.

49. (Original) The apparatus of claim 48, wherein a light pulse is automatically triggered when

said substantial contact is made.

50. (Original) The apparatus of claim 43, wherein the cordless apparatus has a total weight of

no more than 1 kilogram.

51. (Original) The apparatus of claim 43, wherein the cordless apparatus has a total weight of

no more than 700 grams.

52. (Original) The apparatus of claim 43, wherein the cordless apparatus occupies a volume of

no more than 1500 cm³.

53. (Original) The apparatus of claim 43, wherein the cordless apparatus occupies a volume of

no more than 700 cm³.

54. (Original) The apparatus of claim 43, wherein the light pulse emitted at the aperture has a

spot size not greater than 5 cm².

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55. (Original) The apparatus of claim 43, wherein the light pulse emitted at the aperture has a

spot size not less than 0.25 cm².

56. (Original) The apparatus of claim 55, wherein the light pulse emitted at the aperture has a

spot size not greater than 5 cm².

57. (Withdrawn) The apparatus of claim 43, wherein the light source comprises one or more

diode laser bars each comprising multiple laser diode emitters.

58. (Withdrawn) The apparatus of claim 43, wherein the light source comprises two or more

diode laser bars each comprising multiple laser diode emitters.

59. (Withdrawn) The apparatus of claim 43, wherein the light source comprises one or more

laser diode bars that are thermally coupled to a fan-cooled heatsink.

60. (Original) The apparatus of claim 43, wherein the light source is divergent.

61. (Withdrawn) The apparatus of claim 43, wherein the light source comprises one or more

flashlamps.

62. (Withdrawn) The apparatus of claim 43, wherein the light source comprises one or more

light emitting diodes.

63. (Original) The apparatus of claim 43, wherein the light pulse emitted by the apparatus has a

bandwidth of 2 nanometers or more.

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64. (Original) The apparatus of claim 43, wherein the light pulse emitted by the apparatus has a

pulse duration not less than 200 milliseconds.

65. (Original) The apparatus of claim 64, wherein the light pulse emitted by the apparatus has a

pulse duration not more than 600 milliseconds.

66. (Original) The apparatus of claim 43, wherein the light pulse emitted by the apparatus has a

peak power not less than 10 watts.

67. (Original) The apparatus of claim 43, wherein the light pulse emitted by the apparatus has a

peak power not more than 120 watts.

68. (Original) The apparatus of claim 67, wherein the light pulse emitted by the apparatus has a

peak power not less than 10 watts.

69. (Original) The apparatus of claim 43, wherein the electrical circuit does not comprise one or

more storage capacitors for producing electrical pulses that energize the light source when such

storage capacitor or capacitors are discharged.

70. (Original) The apparatus of claim 43, wherein the electrical circuit does not comprise a

transformer.

71. (Original) The apparatus of claim 43, wherein the electrical circuit comprises a direct drive

electrical circuit.

72. (Original) The apparatus of claim 43, further comprising an optical diffuser disposed along

the light path so that an integrated radiance of the output light pulses is reduced.

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73. (Original) The apparatus of claim 72, wherein the optical diffuser comprises a transmissive

diffuser.

74. (Withdrawn) The apparatus of claim 72, wherein the optical diffuser comprises a reflective

diffuser.

75. (Withdrawn) The apparatus of claim 43, further comprising a mixer along the light path for

distributing light more uniformly at the aperture.

76. (Withdrawn) The apparatus of claim 43, wherein a principal optical axis of light emitted

from the light source and striking the diffuser is not parallel to the normal of the surface of the

diffuser.

77. (Withdrawn) The apparatus of claim 76, wherein the light source comprises one or more

laser diode bars.

78. (Original) The apparatus of claim 43, further comprising an audible feedback component.

79. (Original) A dermatologic hair-regrowth-inhibiting apparatus that is cordless and

sufficiently compact as to be hand-held, comprising:

(a) a self-contained housing configured for gripping by a person's hand for cordless

manipulation in a hair-regrowth-inhibiting procedure;

(b) one or more diode laser light sources within the housing;

(c) an electrical circuit within the housing for energizing the diode laser light source to

produce output light pulses; and

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(d) a light path within the housing including an aperture through which eye-safe light pulses are propagated out of the housing, and wherein

- (1) a light pulse emitted by the apparatus has an output fluence that is sufficient for at least temporary hair-regrowth inhibition, and a fluence that is less than a maximum permissible exposure (MPE) at the eye of a person, such MPE having a value in J/cm² equal to $1.8 \times 10^{-3} \, t^{0.75} \, C_4 C_6$, where $C_4 = 10^{0.002(\lambda-700)}$ for infrared wavelengths λ in nm from 700 nm to 1050 nm and $C_4 = 5$ for 1050 nm to 1100 nm light, and C_6 is a number between 1 and 66.7 for a diffuse source, and t is the pulse duration in seconds, and
- (2) a majority of the energy of the light pulse emitted by the apparatus is contained within a spectral band of 700 nm to 1100 nm, and
 - (3) light pulses are emitted at a repetition rate between 0.1 Hz and 2 Hz, and
- (4) the light pulse emitted by the apparatus has a pulse duration between 10 milliseconds and 1 second, and
- (5) the light pulse emitted by the apparatus has a peak power between 10 watts and 120 watts, and
- (6) the light pulse emitted by the apparatus has a spot size between 0.25 cm² and 5 cm², and
- (7) the light pulse emitted by the apparatus has an output fluence between 4 J/cm^2 and 100 J/cm^2 , and
 - (8) the cordless apparatus has a total weight of no more than 1 kilogram, and
- (9) the cordless apparatus occupies no more than 1500 cm³ of volume, and whereby in use, the hair-regrowth-inhibiting apparatus produces a fluence on an epidermis of a subject undergoing treatment that is sufficient to at least temporarily inhibit hair regrowth and that has an integrated radiance insufficient to cause eye damage.
- 80. (Original) The apparatus of claim 79, wherein the electrical circuit comprises a direct drive electrical circuit.

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81. (Original) The apparatus of claim 79, further comprising a heatsink for contacting a region

of the epidermis, having one or more thermal characteristics that serve to remove heat from the

epidermis and wherein the temperature of the heatsink is at or above a normal skin temperature,

wherein a normal skin temperature is a temperature of the skin when not being treated with the

device.

82. (Original) The apparatus of claim 81, wherein the heatsink comprises a sapphire output

window.

83. (Original) The apparatus of claim 79, further comprising a heatsink for contacting a region

of the epidermis, having one or more thermal characteristics that serve to remove heat from the

epidermis and wherein the temperature of the heatsink is maintained below a normal skin

temperature, wherein a normal skin temperature is a temperature of the skin when not being

treated with the device.

84. (Original) The apparatus of claim 83, wherein the heatsink comprises a sapphire output

window.

85. (Original) The apparatus of claim 79, further comprising a contact sensor for permitting

light pulses to be propagated from the housing only when substantial contact is made between

the contact sensor and a contacted surface.

86. (Original) The apparatus of claim 85, wherein light pulses are automatically triggered when

said substantial contact is made.

87. (Original) The apparatus of claim 79, further comprising an audible feedback component.

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88. (Original) The apparatus of claim 79, further comprising an optical diffuser disposed along

the light path so that an integrated radiance of the output light pulses is reduced.

89. (Original) The apparatus of claim 88, wherein the optical diffuser comprises a transmissive

diffuser.

90. (Withdrawn) The apparatus of claim 88, wherein the optical diffuser comprises a reflective

diffuser.

91. (Withdrawn) The apparatus of claim 79, further comprising a mixer along the light path for

distributing light more uniformly at the aperture.

92. (Original) A dermatologic hair-regrowth-inhibiting apparatus that is cordless and

sufficiently compact as to be hand-held, comprising:

(a) a self-contained housing configured for gripping by a person's hand for cordless

manipulation in a hair-regrowth-inhibiting procedure;

(b) one or more flashlamp light sources within the housing;

(c) an electrical circuit within the housing for energizing the flashlamp light source to

produce output light pulses; and

(d) a light path within the housing including an aperture through which eye-safe light

pulses are propagated out of the housing, and wherein

(1) a light pulse emitted by the apparatus has an output fluence that is sufficient

for at least temporary hair-regrowth inhibition, and a fluence that is less than a maximum

permissible exposure (MPE) at the eye of a person, such MPE having a value in J/cm² equal to

 $1.8 \times 10^{-3} \text{ t}^{0.75} \text{ C}_4\text{C}_6$, where $\text{C}_4 = 1$ for 400 nm to 700 nm light and $\text{C}_4 = 10^{0.002(\lambda-700)}$ for infrared

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wavelengths λ in nm from 700 nm to 1050 nm and $C_4 = 5$ for 1050 nm to 1100 nm light, and C_6 is a number between 1 and 66.7 for a diffuse source, and t is the pulse duration in seconds, and

- (2) a majority of the energy of the light pulse is contained within a spectral band of 500 nm to 1100 nm, and
- (3) a repetition rate of light pulses emitted by the apparatus is between 0.1 Hz and 2 Hz, and
- (4) the light pulse emitted by the apparatus has a pulse duration between 10 milliseconds and 1 second, and
- (5) the light pulse emitted by the apparatus has a peak power between 10 watts and 120 watts, and
- (6) the light pulse emitted by the apparatus has a spot size between 0.25 cm² and 5 cm², and
- (7) the light pulse emitted by the apparatus has an output fluence between 4 J/cm^2 and 100 J/cm^2 , and
 - (8) the cordless apparatus has a total weight of no more than 1 kilogram, and
- (9) the cordless apparatus occupies no more than 1500 cm³ of volume, and whereby in use, the hair-regrowth-inhibiting apparatus produces a fluence on an epidermis of a subject undergoing treatment that is sufficient to at least temporarily inhibit hair regrowth and that has an integrated radiance insufficient to cause eye damage.
- 93. (Original) The apparatus of claim 92, further comprising a heatsink for contacting a region of the epidermis, having one or more thermal characteristics that serve to remove heat from the epidermis and wherein the temperature of the heatsink is at or above a normal skin temperature, wherein a normal skin temperature is a temperature of the skin when not being treated with the device.

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94. (Original) The apparatus of claim 93, wherein the heatsink comprises a sapphire output

window.

95. (Original) The apparatus of claim 92, further comprising a heatsink for contacting a region

of the epidermis, having one or more thermal characteristics that serve to remove heat from the

epidermis and wherein the temperature of the heatsink is maintained below a normal skin

temperature, wherein a normal skin temperature is a temperature of the skin when not being

treated with the device.

96. (Original) The apparatus of claim 95, wherein the heatsink comprises a sapphire output

window.

97. (Original) The apparatus of claim 92, further comprising a contact sensor for permitting

light pulses to be propagated from the housing only when substantial contact is made between

the contact sensor and a contacted surface.

98. (Original) The apparatus of claim 97, wherein a light pulse is automatically triggered when

said substantial contact is made.

99. (Original) The apparatus of claim 92, further comprising an audible feedback component.

100. (Original) The apparatus of claim 92, further comprising an optical diffuser disposed along

the light path so that an integrated radiance of the output light pulses is reduced.

101. (Original) The apparatus of claim 100, wherein the optical diffuser comprises a

transmissive diffuser.

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102. (Withdrawn) The apparatus of claim 100, wherein the optical diffuser comprises a reflective diffuser.

103. (Withdrawn) The apparatus of claim 92, further comprising a mixer along the light path for distributing light more uniformly at the aperture.

104. (Original) A dermatologic hair-regrowth-inhibiting apparatus that is cordless and sufficiently compact as to be hand-held, comprising:

- (a) a self-contained housing configured for gripping by a person's hand for cordless manipulation in a hair-regrowth-inhibiting procedure;
 - (b) one or more light emitting diode (LED) light sources within the housing;
- (c) an electrical circuit within the housing for energizing the LED light source to produce output light pulses; and
- (d) a light path within the housing including an aperture through which eye-safe light pulses are propagated out of the housing, wherein
- (1) a light pulse emitted by the apparatus has an output fluence that is sufficient for at least temporary hair regrowth inhibition and a fluence that is less than a maximum permissible exposure (MPE) at the eye of a person, such MPE having a value in J/cm² equal to $1.8 \times 10^{-3} \, t^{0.75} \, C_4 C_6$, where $C_4 = 1$ for 400 nm to 700 nm light and $C_4 = 10^{0.002(\lambda-700)}$ for infrared wavelengths λ in nm from 700 nm to 1050 nm and $C_4 = 5$ for 1050 nm to 1100 nm light, and C_6 is a number between 1 and 66.7 for a diffuse source, and t is the pulse duration in seconds, and
- (2) a majority of the energy of the light pulse is contained within a spectral band of 600 nm to 1100 nm, and
 - (3) light pulses are emitted at a repetition rate between 0.1 Hz and 2 Hz, and
- (4) the light pulse emitted by the apparatus has a pulse duration between 10 milliseconds and 1 second, and

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(5) the light pulse emitted by the apparatus has a peak power between 10 watts

and 120 watts, and

(6) the light pulse emitted by the apparatus has a spot size between 0.25 cm² and 5

cm², and

(7) the light pulse emitted by the apparatus has an output fluence between 4 J/cm²

and 100 J/cm², and

(8) the cordless apparatus has a total weight of no more than 1 kilogram, and

(9) the cordless apparatus occupies no more than 1500 cm³ of volume, and

whereby in use, the hair-regrowth-inhibiting apparatus produces a fluence on an epidermis of a

subject undergoing treatment that is sufficient to at least temporarily inhibit hair regrowth and

that has an integrated radiance insufficient to cause eye damage.

105. (Original) The apparatus of claim 104, wherein the electrical circuit comprises a direct

drive electrical circuit.

106. (Original) The apparatus of claim 104, further comprising a heatsink for contacting a

region of the epidermis, having one or more thermal characteristics that serve to remove heat

from the epidermis and wherein the temperature of the heatsink is at or above a normal skin

temperature, wherein a normal skin temperature is a temperature of the skin when not being

treated with the device.

107. (Original) The apparatus of claim 106, wherein the heatsink comprises a sapphire output

window.

108. (Original) The apparatus of claim 104, further comprising a heatsink for contacting a

region of the epidermis, having one or more thermal characteristics that serve to remove heat

from the epidermis and wherein the temperature of the heatsink is maintained below a normal

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skin temperature, wherein a normal skin temperature is a temperature of the skin when not being

treated with the device.

109. (Original) The apparatus of claim 108, wherein the heatsink comprises a sapphire output

window.

110. (Original) The apparatus of claim 104, further comprising a contact sensor for permitting

light pulses to be propagated from the housing only when substantial contact is made between

the contact sensor and a contacted surface.

111. (Original) The apparatus of claim 110, wherein a light pulse is automatically triggered

when said substantial contact is made.

112. (Original) The apparatus of claim 104, further comprising an audible feedback component.

113. (Original) The apparatus of claim 104, further comprising an optical diffuser disposed

along the light path so that an integrated radiance of the output light pulses is reduced.

114. (Original) The apparatus of claim 113, wherein the optical diffuser comprises a

transmissive diffuser.

115. (Withdrawn) The apparatus of claim 113, wherein the optical diffuser comprises a

reflective diffuser.

116. (Withdrawn) The apparatus of claim 104, further comprising a mixer along the light path

for distributing light more uniformly at the aperture.

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117. (Withdrawn) A hair-regrowth-inhibiting method for cordlessly inhibiting hair regrowth, comprising:

- (a) gripping in a person's hand a self-contained housing assembly of a hair-regrowth-inhibiting device;
- (b) positioning the housing assembly such that an output window component of the device contacts an epidermis of a same or different person;
- (c) energizing a light source with an electrical circuit including one or more batteries, each contained within the housing assembly, to produce output light pulses;
- (d) transmitting the output light pulses generated by the light source along a light path within the housing including an aperture through which eye-safe light pulses are propagated from the housing assembly having properties sufficient for at least temporarily inhibiting hair regrowth;
- (e) diffusing the output light pulses along the light path so that an integrated radiance of the output light pulses is reduced to an eye-safe value; and
- (f) cordlessly manipulating the hand-held, dermatologic device in a hair-regrowth-inhibiting procedure, and wherein the hair-regrowth-inhibiting device produces a fluence on the epidermis that is sufficient to at least temporarily inhibit hair regrowth and that has an integrated radiance insufficient to cause eye damage.
- 118. (Withdrawn) The method of claim 117, further comprising removing sufficient heat from the epidermis to reduce or prevent epidermal injury.
- 119. (Withdrawn) The method of claim 118, wherein the removing comprises contacting a region of the epidermis with a heatsink having one or more thermal characteristics that serve to remove sufficient heat from the contacted epidermis region to reduce or prevent epidermal injury.

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120. (Withdrawn) The method of claim 117, wherein the cordless apparatus has a total weight

of no more than 1 kilogram and occupies no more than 1500 cm³ of volume.

121. (Withdrawn) The method of claim 117, further comprising permitting light pulses to be

propagated from the housing only when substantial contact is made between a contact sensor and

a contacted surface.

122. (Withdrawn) The method of claim 121, further comprising automatically triggering a light

pulse when said contact is made.

123. (Withdrawn) The method of claim 117, wherein the transmitted output light pulses have a

spot size at the aperture not greater than 5 cm².

124. (Withdrawn) The method of claim 123, wherein the transmitted output light pulses have a

spot size at the aperture not less than 0.25 cm².

125. (Withdrawn) The method of claim 117, wherein the energized light source comprises one

or more laser diodes.

126. (Withdrawn) The method of claim 125, wherein the one or more laser diodes comprise one

or more laser diode bars each comprising multiple emitters.

127. (Withdrawn) The method of claim 125, wherein the one or more laser diodes comprise two

or more laser diode bars each comprising multiple laser diode emitters.

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128. (Withdrawn) The method of claim 125, further comprising removing heat generated by the

laser diode bars though a heat sink in thermal contact with the diode bars.

129. (Withdrawn) The method of claim 117, wherein a light pulse from the energized light

source has a pulse duration of not more than 1 second.

130. (Withdrawn) The method of claim 117, wherein a light pulse from the energized light

source has a pulse duration of not less than 10 milliseconds.

131. (Withdrawn) The method of claim 130, wherein a light pulse from the energized light

source has a pulse duration of not more than 1 second.

132. (Withdrawn) The method of claim 117, further comprising producing a light pulse having

an output fluence of not less than 4 J/cm² and a fluence at the eye of a person of less than a

maximum permissible exposure (MPE), such MPE having a value in J/cm² equal to 1.8 x 10⁻³

 $t^{0.75}$ C₄C₆, where C₄ = 1 for 400 nm to 700 nm light and C₄ = $10^{0.002(\lambda-700)}$ for infrared

wavelengths λ in nm from 700 nm to 1050 nm and $C_4 = 5$ for 1050 nm to 1100 nm light, and C_6

is a number between 1 and 66.7 for a diffuse source, and t is the pulse duration in seconds.

133. (Withdrawn) The method of claim 117, wherein the energizing comprises at least partial

discharge of a supercapacitor for energizing the light source.

134. (Withdrawn) The method of claim 117, wherein the energizing comprises direct drive

energizing of the light source.

135. (Withdrawn) The method of claim 134, wherein the energizing comprises generating

current pulses for generating light pulses without at least partial discharge of one or more storage

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capacitors, such that the one or more batteries do not charge such one or more storage capacitors,

and instead the energizing comprises one or more batteries directly energizing a light source.

136. (Withdrawn) The method of claim 134, wherein the energizing comprises generating

current pulses for generating light pulses without a transformer.

137. (Withdrawn) The method of claim 117, wherein a person performing the cordless

manipulation of the method is a same person upon whose skin the light pulses are applied.

138. (Withdrawn) The method of claim 117, wherein a person performing the cordless

manipulation of the method is a different person than the person upon whose skin the light pulses

are applied.

139. (Withdrawn) The method of claim 117, further comprising mixing the light downstream of

the light source for distributing light more uniformly at the output aperture.

140. (Withdrawn) The method of claim 117, further comprising lowering the output fluence

below a maximum level using a switch for turning down the output fluence.

141. (Withdrawn) The method of claim 117, further comprising producing a light pulse having

an output fluence between 4 J/cm² and 100 J/cm² and a fluence at the eye of a person of less than

a maximum permissible exposure (MPE), such MPE having a value in J/cm² equal to 1.8 x 10⁻³

 $t^{0.75}$ C₄C₆, where C₄ = $10^{0.002(\lambda-700)}$ for infrared wavelengths λ from 700 nm -to 1050 nm and C₄

= 5 for 1050 nm to 1100 nm light, and C₆ is a number between 1 and 66.7 for a diffuse source,

and t is the pulse duration in seconds, and wherein a majority of the energy of the light pulse is

contained within the spectral band of 700 nm to 1100 nm, and wherein a pulse duration of the

light pulse is between 10 milliseconds and 1 second.

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142. (Withdrawn) The method of claim 141, wherein light pulses are emitted at a repetition rate

between 0.1 Hz and 2 Hz, have a peak power between 10 watts and 120 watts, and have a spot

size between 0.25 cm² and 5 cm², and wherein the cordless apparatus has a total weight of no

more than 1 kilogram, and occupies no more than 1500 cm³ of volume.

143. (Withdrawn) The method of claim 142, wherein the energizing comprises energizing one

or more diode laser light sources.

144. (Withdrawn) The method of claim 142, wherein the energizing comprises energizing one

or more flashlamp light sources.

145. (Withdrawn) The method of claim 142, wherein the energizing comprises energizing one

or more light emitting diode light sources.

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